

**STATEMENT OF WORK
IRRIGATION LAND LEVELING (464)
Wyoming**

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN**Deliverables:**

1. Design Survey
 - a. Rod reading at each grid point
 - b. Water source and elevation
 - c. Soils limitation
2. Design documents that demonstrate criteria in practice standard have been met and are compatible with planned and applied practices
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.22)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Field grades (planned)
 - ii. Direction of irrigation
 - iii. Method of irrigation
 - iv. Soil Characteristics (e.g. texture, permeability, and depth)
 - v. Shrinkage factor
 - vi. Volume of cut and fill
 - vii. Area to be leveled
 - viii. Erosion Control
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
 - a. Plan view of area showing cuts and fill
 - b. Boundary of area to be leveled
 - c. Location and elevation of water source
 - d. Physical features of area to be leveled (i.e., fences, trees, and buildings) which may affect construction)
 - e. Irrigation plan
 - f. Location map
4. Operation and maintenance plan
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b) (2)).
6. Design modifications during installation as required

INSTALLATION**Deliverables**

1. Pre-installation conference with client and contractor
2. Verification that client has obtained required permits
3. Staking and layout according to plans and specifications including applicable layout notes
 - a. The designed cut or fill shall be transferred to the grid stakes.
4. Installation inspection
 - a. Actual materials used
 - b. Inspection records
 - c. Elevations or rod readings along 20 percent of the grid lines.
 - d. Area leveled
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation
7. Certification that the installation process and materials meets design and permit requirements (NEM Subpart A, 505.03(c)(1)).

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CHECK OUT

Deliverables

1. As-built documentation
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits
3. Progress reporting

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Irrigation Land Leveling, 464.
- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook